# (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) Wor	ld Intellectual Property Organization  International Bureau	-[WIPO]	[Bar-Code]
(43) Inter	national Publication Date		(10) International Publication Number
	December 29, 2004 (12/29/2004)	-PCT	
(51)—Interr ———B44B	national Patent Classification <sup>2</sup> : <b>B29C 59/02,</b>		Representative: BARTELS AND PARTNER; Lange Strasse 51, 70174 Stuttgart (DE).
(21)—Interr	national Application No.: PCT/EP2004/002158		Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL,
(22) Interr	national Filing Date:		AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA,
·	March 4, 2004 (03/04/2004)	<del>)</del>	CH, CN, CO, CR, CU, CZ. DE, DK, DM. DZ, EC. EE,
			EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN,
	uage in which the international application wa		IS. JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,
origir	nally filed: German		LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
			NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
` ′	uage in which the international application i		SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
public	shed: German	n '	US, UZ, VC, VN, YU, ZA, ZM, ZW.
(30) Priori	ity Data:	-(84)	Designated States (unless otherwise indicated, for every
` /	8 198.3 June 24, 2003 (06/24/2003) D	, ,	kind of regional protection available): ARIPO (BW,
			GH. GM, KE. LS, MW, MZ, SD, SL, SZ, TY, UG, ZM,
(71) Appli	icant and		ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,
	tor: HANSEN, Bernd [DE/DE]; Talstr. 22-30		
	9 Sulzbach-Laufen (DE).	- 7	
	. /		

(54) Title: 49921

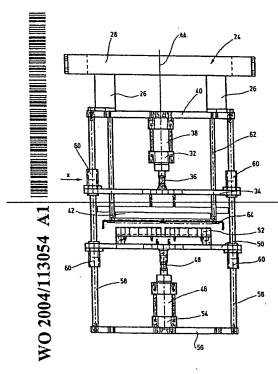
## Patent Application

<u>of</u>

## **BERND HANSEN**

for

STAMPING DEVICE



(57) Abstract: The invention relates to a stamping device for stamping characteristic data, especially in the form of code numbers (22), into plastic products, such as containers which are preferably produced according to blowing, filling and gelling methods. According to the invention, at least one stamp (32), comprising a stamping unit (34) with interchangeable characteristic data units (42), is guided in the longitudinal direction in the frame (24) of the device. When the stamp is in an elevated position, the products which are to be stamped and/or have been stamped can be fed or removed and when in a lowered position, the products are stamped.

(57) Zusammenfassung: Die Erfindung betrifft eine Prägevorrichtung zum Einprägen von Keinda ten, insbesondere in Form
von Code-Ziffern (22), in Kunststofferzeugnis se, wie Behälter, die
vorzugsweise nach einem Blasform. Füll- und Sie gelverfahren
hergestellt sind, wobei in einem Gestell (24) der Vorrich tung
mindestens ein Prägestempel (32) mit einer Prägeeinheit (34)
mit 10 auswechselbaren Kenndateneinheiten (42) längsverfahrbar
geführt ist und in einem angehobenen Zustand die Zu- und Abfuhr
der zu prägen den bzw. geprägten Erzeugnisse ermöglicht und
in einem abgesenkten Zustand die Einprägung der Erzeugnisse
vornimmt.

#### WO 2004/113054 A1

[Bar Code]

TM). European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, GF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- With International Search Report.

Reference is made for an explanation Field of

the two letter codes and the other abbreviations to the

Guidance Notes on Codes and Abbreviations in the front
section of each regular PCT Gazette edition. Invention